PowerRIP ScreenPrint™ Quick Start

This quick start guide covers the standard installation on Windows XP/2000/2000 Pro/ 2000 Server. It covers the 4 most used printing setups. See the User Guide (located on your CD) for additional detailed installation information. After installing the software you may go to Start/Programs/PowerRIP ScreenPrint/Documentation to see a general manual for ScreenPrint, SilkScreen and ImageSet RIP products.

Before installing, please close all running applications. Load the printer driver from the printer manufacturer, have the printer connected be able to print to the printer using the native driver.

Loading PowerRIP ScreenPrint

1. Insert the CD into the computer, the splash screen will give you your choices. (If the splash screen does not appear, launch the "setup.exe" application on the CD's root folder).

Install/Remove/Repair. This option installs the main program and all required files

View Installation Guide. Open the installation instructions (this document). Requires Adobe Acrobat

Connect workstation to PowerRIP ScreenPrint Server. This option is used when connecting workstations to PowerRIP ScreenPrint remotely, as a client.

EXIT. Closes the installer application

1. Select Install
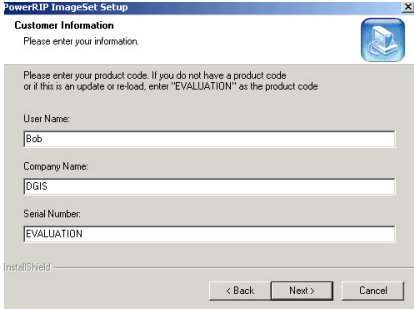2. The Install Shield Wizard will start, Click NEXT
3. The License Agreement will be presented, review then click NEXT
4. The Customer Information screen will include

    User Name
   Company
    Serial Number

(this is your 16 digit Product Code) Please fill in then click NEXT

5. The **Select Components** is next. **Select your printer.** If you wish to generate TIFF files and/or PDF files as well, select these output devices as well. **Insure a check mark is next to the printer selected.** When finished, click **NEXT**.

6. The select program folder will display, leave it as default. Click **NEXT**

7. The program will now be installed. Depending on the speed of your system, this may take a few minutes.

8. After the system installs the program, you will be asked to install the printer in the "Select Printer Entries To Create" screen Select your printer (or Printers)Click **Continue**

9. A window will now tell you that the printer has installed. Click **OK**
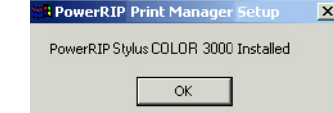
10. You must carefully select the port the printer is connected to. **STOP** if you do not know which port the printer is connected to. It could be USB001 or 002, etc.
Go to Start/Control Panel And Open Printers and Faxes. Right click on the "Epson Stylus Color 3000" printer and go to Properties, then Ports. See what printer port the Epson Stylus Color 3000 native driver is connected to and use this for PowerRIP. Now select the port, click **CONTINUE.**
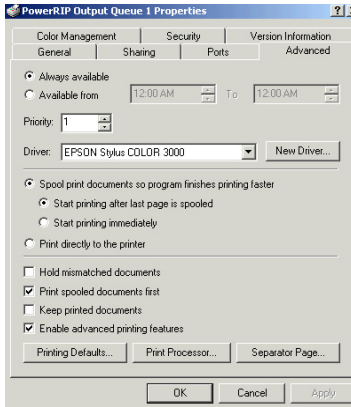
11. This will finish the installation, The final window will ask you to click **FINISHED** before rebooting the system, remove the CD.
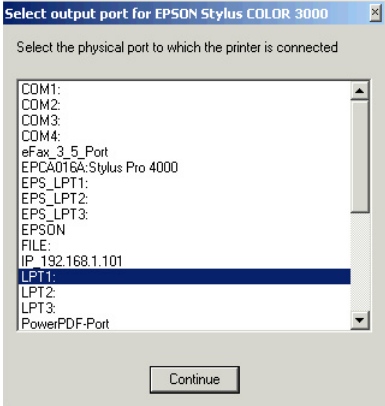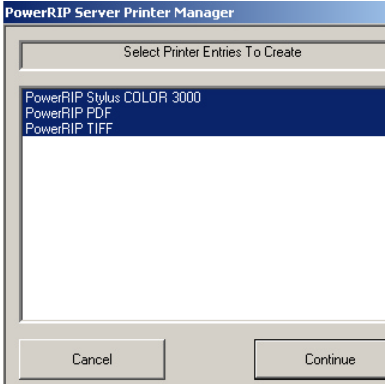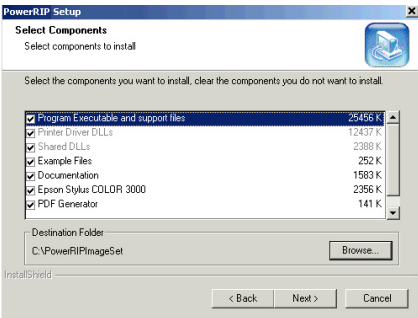
Setting the Printer Driver

After the system restarts, go to the printer folder (Start > Settings > Printers on Windows 2000 or Start/Printers and Faxes onWindows XP)

1. Right Click on the PowerRIP Output Queue 1
2. Select **PROPERTIES**
3. Select the **ADVANCED** tab
4. In the driver window, use the arrow (on the right side of the window) to change the driver from PowerRIP Stylus 3000 to the Epson Stylus 3000 driver for this port Click **APPLY**, then **OK**

PowerRIP printer port drivers use MicroSoft's generic USB and parallel code. Selecting Epson's own printer port driver can sometimes speed up communication speeds over the generic port drivers from MicroSoft. This is especially true on the Stylus 2200/2100 printers

Installing Validation
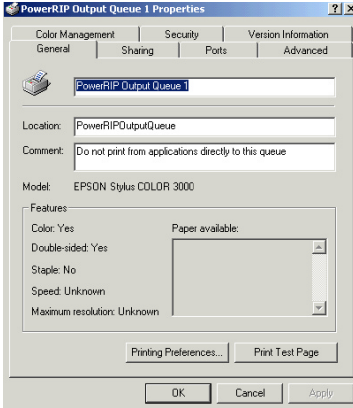
1. Start PowerRIP
Go to START > Programs >
PowerRIP SilkScreen
double click on PowerRIP
ImageSet selection
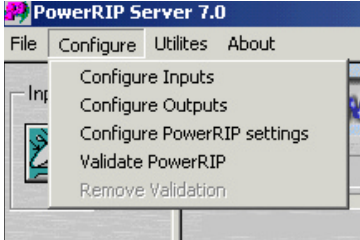
2. In the upper left corner click on Configure tab

3. Select **Validate PowerRIP**.

4. The PowerRIP Server Validation window will display a User Code and provide a box to place the Activation Code. User codes are programmed to change randomly, so leave this screen open, so the user code does not change with a reopening of the screen.

5. To obtain your activation code go to **www.iproofsystems.com**


Click on the get activation tab.
On the validation page select **ENGLISH** as your language.
Fill in the registration form, click **SUBMIT FORM**
Select the **SilkScreen/ImageSet** product, and **VALIDATE.**
Type in your product code, and user code, click **SUBMIT**. You will be presented with a new window and an ActivationCode.

6. Go back to the PowerRIP ScreenPrint Validation window (step 5) insert the activation code in the activation window. Click**OK**
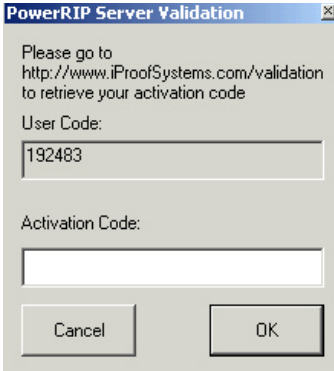
Testing PowerRIP ScreenPrint

1. Start PowerRIP ScreenPrint
Go to START > Programs > PowerRIP ScreenPrint double click on PowerRIP ScreenPrint

2. Go To FILE > PRINT POSTSCRIPT FILE.
The open Dialog will display, you should be in the PowerRIP ScreenPrint (PowerRIP Imageset) folder, if not find it Highlight TRAIN.PS and click open.

3. The configure output window will display. Make sure the correct printer and printer port is selected. Specfiy settings. Click **OK**
The file will process and print.
To print from applications, please refer to the documentation in the Start/Programs/PowerRIP ScreenPrint/Documentation.

Printing Using Stochastic or Halftone Screening

PowerRIP ScreenPrint supports stochastic and halftone screening technologies. Stochastic screening, the default for PowerRIP ScreenPrint, is basic to all PoweRIP software. Halftone screening starts at 30 line per inch (lpi) and goes to 150 lpi on the Stylus Color 3000.The back side of this Quick Start gives you a general overview of how to do four basic print setups of the **Properties/Advanced** printing options for screening, resolution, and media type of paper or film positives to generate output for proofs or film.

Where do I find the Printer settings?

PowerRIP SilkScreen provides the Windows PostScript driver a PPD (PostScript Printer Description). The Windows PostScript driver uses this PPD to set the features needed, when it receives print data from Screenprint Separator, Corel, Illustrator, Quark or other applications and "creates" PostScript files to be processed and printed by the PowerRIP ScreenPrint program. Detailed explanations follow on printer features and the chart at the far
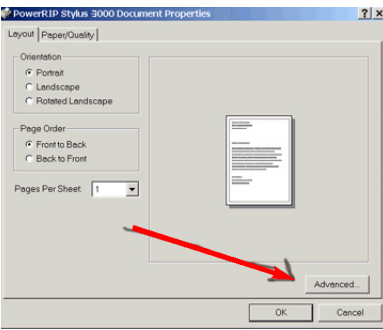
right shows four basic print settings you can use. Choose **Print** go to **Properties** and then **Advanced**. This Printer Features screen shot is setup to make film positives and instead of a stochastic screen a halftone screen ruling is set by the application.
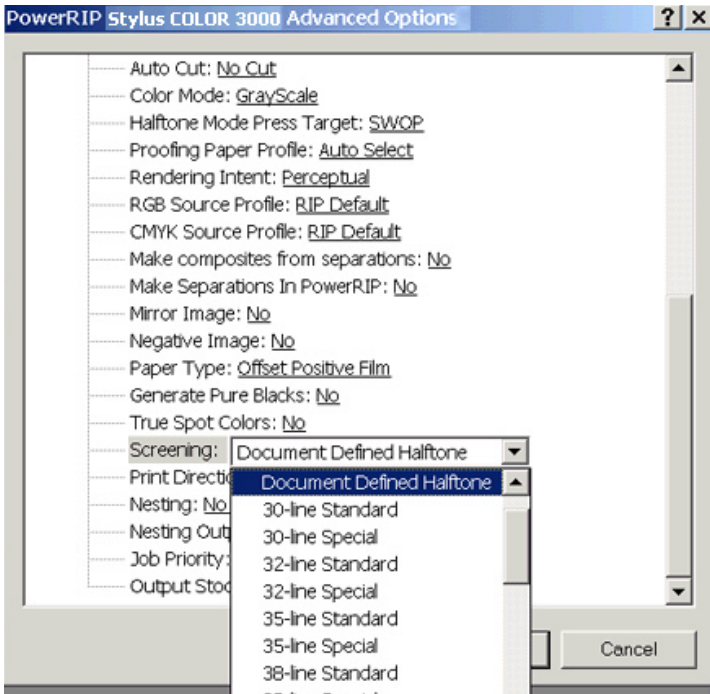
Graphics

Set **Print Quality (Resolution)** selection depends on the desired print quality. Normal is 720 dpi for rulings below 90 lines per inch, select higher resolutions of 1440, when printing finer screen rulings (90lpi up), for better halftone dot shape.

Printer Features

Set **Color Mode** "Grayscale" for film seps sent from Corel, Illustrator, Quark, or use "CMYK" for color proofs or separations made in the RIP.

Set **Halftone Mode Press Target** assigns a profile to separate RGB colors into CMYK. SilkScreen uses SWOP/Max Black with GCR.

Set **Proofing Paper Profile** Auto Select lets PowerRIP pick the one iProof made automatically, or you choose an ICC for the proof paper. .

Set **Rendering Intent** Perceptual for RGB pictures, Absolute Colorimetric or Relative Colorimetric for accurate proofing.

Set **RGB Source** Defines the color space for incoming RGB data.

Set **CMYK source** Defines the color space for incoming CMYK data.

Set **Make Composite From Separation** (Yes or No) Yes, when recombining separations for a color proof. No, all other times

Set **Make Separations In PowerRIP** (Yes or No). When printing from an application that does not support separations, you set the "Make Separations in PowerRIP" to "Yes." Separations will be in CMYK.

Set **Mirrored** (Yes or No) Used for right reading or wrong reading film emulsion up. "No", right reading, is for silk screen and yes for offset.

Set **Negative** as desired (Yes or No). WARNING: Making negatives uses a large amounts of ink on a printer and is NOT recommended.

Set **Paper Type** choose an output media; film positive for silk screen.

Set **Generate Pure Blacks** (Yes or No) Useful when making color proofs to avoid black type being made from multiple colors.

Set **True Spot Colors** (Yes or No) When making composite proofs from separations, special handling is done to spot colors.

Set **Screening** choose Document Defined if the screen frequency and angle are determined by the application (Corel, Illustrator, Quark, etc.). Choose pre-defined screen rulings to override the application's halftone screen request or if printing from applications that do not support specifying halftones. Stochastic is also available.

Set **MicroWeave** (On or OFF) Leave On.

Set **Nesting** (Yes or No) Gangs page output on multi-page files.

Set **Nesting Output Media Size** Paper size to be nested on.

Set **Job Priority** Can be used to push urgent jobs through printing.

Set **Output Stock Simulation** for color proofs, defines the paper stock and color densities of the printing press used to print a job.

Settings for four basic print outs are on the chart to the right.

1. Printing Separations made in applications to film

For printing silkscreen or offset film separations to film as stochastic or halftone, the resolution chosen depends on the desired print quality. Keep in mind, when using halftone screen rulings (90lpi and up), a higher resolution will shape your halftone dots better. Densities of 3.8 to 4.0 can be achieved using the proper ink and film combinations.

2. Making Separations from RGB/CMYK composite data

PowerRIP can separate RGB/CMYK composite data at the RIP and create CMYK separations as stochastic or halftone. The RIP does not make spot color separations. Most users prefer to create spot color separations in Screenprint Separator, Illustrator, Corel, Quark, InDesign, or Freehand.

3. Making a Color Composite Proof "directly from an application"

This is the most common color proof made. It is called a "CMYK composite" proof, or in Quark 6.5, for a RGB/CMYK composite, it is an "As Is" proof on output. "Direct composite proofs" are good for a quick color check, but do not show trapping and overprints in all file elements, which is done by the next type of proof.

4. Make a Composite Color Proof from Separations

You can make composite color proofs from separations generated from applications such as Screeprint Separator, Corel, Quark, Illustrator, InDesign, or Freehand, selecting "Make Composite from Separations" feature. This is useful for viewing trapping, overprints, and moire, before making your screens or offset films. Proofing how separations overprint can prevent mistakes and is the most accurate way to proof.

Where to Get Help

Your PowerRIP ScreenPrint CD contains a user manual to help you print from popular applications, answer frequently asked questions, and identify PostScript and system errors you may encounter.

iProof Systems Support is available via phone, fax, mail, e-mail and the Internet. Telephone support hours are 9AM to 6PM EST (Monday to Friday). Telephone: 321-777-3982 Fax: 321-777-6025.

We suggest iProof's free e-mail support to get a prompt answer to questions you may have. You can e-mail iProof Systems at: Support@iproofsystems.com.

When calling or emailing for technical assistance please identify yourself, your computer platform, operating system, and printer model. Include a description of the problem you are encountering, so that a technical support representative can e-mail or respond to your question. Please include your product code or state you are using a demo.

Advanced Printer settings for typical Silk Screen and Offset work for items

	1	2	3	4
Paper Output	Pick a paper size to print on			
Graphics Settings				
Print Quality (High Resolution)	1440	1440	1440	1440
Print Quality (or Faster)	720	720	720	720
Image Color Management	All use ICM Method disabled			
ICM Intent	Not used since ICM disabled			
Scaling	All normally 100% or you choose			
True Type Font	All substitute with device font			
Document Options				
Advanced Printing Features	All use Enabled			
PostScript Options				
PostScript Output Option	All normally Optimized for Speed			
TrueType Download Option	All normally Automatic			
PostScript Language Level	All normally 3, will also work at 2			
Send PostScript Error Handler	All normally Yes			
Mirrored Output	Always No here; apply below			
Printer Features Settings				
Color Mode	Gray	CMYK	CMYK	Gray
Halftone Mode Press Target	SWOP	SWOP	SWOP	SWOP
Proofing Paper Profile	Auto	Auto	Auto	Auto
Rendering Intent	Default	Default	ABS	ABS
RGB Source	Default	Default	Default	Defaul
CMYK source	Default	Default	Default	Defaul
Composite From Separation	No	No	No	Yes
Make Separations In PowerRIP	No	Yes	No	No
Mirrored (Set for Silk Screen)	No	No	No	No
Mirrored (Set for Offset)	Yes	Yes	No	No
Negative	No	No	No	No
Paper Type	Film	Film	Paper	Paper
Generate Pure Blacks	No	No	Yes	Yes
True Spot Colors	No	No	No	Yes
Screening	Stochastic or Halftone Dots			
MicroWeave	On	On	On	On
Print direction	All unidirectional for better quality			
Nesting	Off	Off	Off	Off
Nesting Output Media Size	A3+B+	A3+B+	A3+B+	A3+B+
Job Priority	Normal	Normal	Normal	Normal
Output Stock Simulation	SWOP or Silk Screen for all four			